pp 6-7

PCT

DATE: 03/02/2001 RAW SEQUENCE LISTING PATENT APPLICATION: US/09/763,011 TIME: 12:57:28

Input Set : A:\CANDIDA.txt

Output Set: N:\CRF3\03022001\I763011.raw

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Does Not Comply
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 5 <110> APPLICANT: Contreras, Roland
         Nelissen, Bart
         DeBacker, Marianne
         Luyten, Walter
         Viaene, Jasmine
         Logghe, Marc George
13 <120> TITLE OF INVENTION: Drug Targets In Candida Albicans
16 <130> FILE REFERENCE: 50899/002
19 <140> CURRENT APPLICATION NUMBER: US/09/763,011
21 <141> CURRENT FILING DATE: 2001-02-14
24 <150> PRIOR APPLICATION NUMBER: 98310694.9
26 <151> PRIOR FILING DATE: 1998-12-23
29 <150> PRIOR APPLICATION NUMBER: 9817796.7
31 <151> PRIOR FILING DATE: 1998-08-14
34 <160> NUMBER OF SEQ ID NOS: 114
38 <170> SOFTWARE: PatentIn Ver. 2.0
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58 gataaaccat tgaaggaata tattggtatt agtattttg! gtttccttat tgcctttggt 180
60 ggtttcgttt ttggtttcga tactggtacc atttctggtt tcattaacat gactgacttt 240
62 ttagaaagat ttggtggtac taaagctgac ggtactcttt acttttccaa cgttagaact 300
64 ggtttattga ttggtttgtt caatgtgggt tgtgccattg gtgcattatt cttgtccaaa 360
66 gtcggtgata tgtacggtag aagagttggt atcatgactg ctatgatcat ttatattgtt 420
68 ggtattattg ttcaaattgc ttctcaacat gcttggtatc aaatcatgat tggtagaatt 480
70 atcactggtc ttgctgttgg tatgttatca gttttgtgtc cattatttat ctcagaggtt 540
72 teteceaaac atttaagagg tacattagtt tattgtttee aattgatgat tacettgggt 600
74 attitictigg gitactgiac cagitacggi actaagaaat attictgactic cagacaatgg 660
76 agaattocat tqqqtttatq etttqettqq qeettqtqtt tqettqqtqq tatqqtaaga 720
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80 cttgccaaaa ctaacaaggt ttctccagag gaccctgcat tataccgtga acttcaatta 840
82 atccaagetg gigttgaaag agaaagattg geeggtaagg catetigggg tgetttaate 900
84 actggtaaac caagaatcct tgaaagagtt attgttggag gtatgttgca atcattgcaa 960
86 caattgactg gtgataacta tttcttctac tacagtacca ccattttcaa gtctgtcggt 1020
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90 gttggtattt atgccattga aagattgggt agaagacttt gtttattaac tggttccgtt 1140
92 gccatgtcca tttgtttctt aatttactca ttgattggta ctcaacatct ttacattgat 1200
94 caaccaggtg gtccaaccag aaaaccagat ggtaacgcta tgattttcat tactgcactt 1260
96 tatgttttct tottogcttc tacatgggct ggtggtgtct actccattgt ttctgaactt 1320
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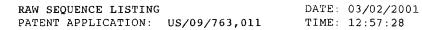


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Input Set : A:\CANDIDA.txt
Output Set: N:\CRF3\03022001\1763011.raw

214 218 220	2 aaatttgatg tgtttgattg gatatttgaa agtggtacta ccaatgagaa agtacatgga 144 4 ttagtgttgg tgtctagtgg tgttctacta ggaacttgtc tattgttcat tttgtag 149 8 <210> SEQ ID NO: 4 0 <211> LENGTH: 485 2 <212> TYPE: PRT								1440 1497								
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232	1				5					10			1-		15		
		Val	Gln	Ser	Leu	Asn	Thr	Glu	Ser		Thr	Thr	Ser	Asn	Asn	Thr	
238				20					25					30			
	Ile	Ser	Ile		Thr	Asn	His	Phe	Gln	Ile	Leu	Lys	Asp	Leu	Leu	Pro	
244			35					40				•	45				
248	Tyr	Ser	Lys	Thr	Ser	Lys	Pro	Gln	Ile	Lys	Glu	Ser	Arg	Pro	Leu	Ile	
250	-	50	-			-	55					60					
254	Lys	Val	Ser	Arg	Asp	Gly	Val	Pro	Ile	Asn	Phe	His	Arg	Ala	Pro	Ala	
256	65					70					75					80	
260	Ile	Ile	Met	Lys	Ser	Asn	Lys	Thr	Asp	Asp	Leu	Val	Arg	Asn	Ser	Asn	
262					85					90					95		
266	Lys	Thr	Met	Val	Leu	Thr	Glu	Ile	Lys	Thr	Ile	Thr	Glu	Phe	Ala	Thr	
268				100					105					110			
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274			115					120					125				
278	Asn	Thr	Leu	Ser	Ile	Glu	Thr	Ser	Thr	Pro	Thr	Phe	Gln	Ser	His	Asp	
280		130					135					140					
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292					165					170					175		
	Leu	Glu	Lys		Val	Leu	Asp	Leu	_	Leu	Glu	Met	Lys		Gln	Gln	
298	_		1	180		~ 1	_		185	* 1	e n	m.1	- 1	190	_	 1	
	Lys	Ser		Asn	Asp	GIn	Leu		Asp	тте	Tyr	Thr		Arg	Ser	11e	
304	17-1	D	195	m	mla . a	m 1	TT 2 mg	200	37- 1	m la sa	C	3 1 ~	205	Deser	C	M	
	Vdl		ше	тут	THE	THL		TTE	vaı	THE	ser	220	116	PIO	Ser	TAT	
310	Val	210 Bro	Tuc	Clu	Clu	Wa 1	215 Mot	1/ a 1	Cor	Wic	A cm		7 l s	Dro	Ile	Val	
	225	FIO	цуз	GIU	Giu	230	ne c	var.		1113	235	1111	AIG	FIQ	116	240	
		λνα	Dro	λκα	Thr		Tlα			Sor		Δrα	Tlo	Aen	Thr		
322	361	лту	110	ALG	245	тэр	110	110	vui	250	0.111	ar 9	110	пэр	255	1.1.0	
	Ser	Lvs	His	Lvs		Asn	Glv	Lvs	Asn		Len	Asn	Asn	Asn	Pro	Pro	
328	001	27.5	*****	260	1100		011		265	110	Dou		11011	270	110		
	Pro	Asn	Ser		Leu	Tle	Va1	Pro		Phe	Gln	Phe	His		Arg	Met	
334			275	,				280	Q. II.		02		285	024	5		
	Ala	Thr		Thr	Glu	Val	Ala		Met	Lvs	Pro	Lvs		Val	Trp	Thr	
340		290	-2 -				295					300			- 4-		
	Asn		Pro	Thr	Thr	Thr		Thr	Ser	Met	Phe		Asn	Phe	Ile	Leu	
346						310					315	•				320	
350	Lys	Asn	Leu	Val	Asp	Glu	Thr	Asp	Ser	Glu	Ile	Asp	Ser	Gly	Glu	Thr	
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RAW SEQUENCE LISTING DATE: 03/02/2001 PATENT APPLICATION: US/09/763,011 TIME: 12:57:28

Input Set : A:\CANDIDA.txt

Output Set: N:\CRF3\03022001\I763011.raw

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                                360
                                                     365
368 Ser Glu Leu Gly Thr Lys Thr Pro Asn Phe Glu Asp Pro Phe Glu Gln
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                            375
                                                 380
374 Ile Asn Ile Glu Asp Asn Lys Val Ile Ser Val Asn Thr Pro Lys Thr
376 385
                        390
                                             395
380 Lys Lys Pro Thr Thr Thr Val Phe Gly Thr Ser Thr Ser Ala Leu Ser
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                                        410
386 Thr Phe Glu Ser Thr Ile Phe Glu Ile Pro Lys Phe Phe Tyr Gly Ser
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392 Arg Arg Lys Gln Ser Ser Ser Phe Lys Asn Lys Asn Ser Thr Ile Lys
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                                440
398 Phe Asp Val Phe Asp Trp Ile Phe Glu Ser Gly Thr Thr Asn Glu Lys
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440 tetaceaega etgataatae eaateaeaet ggacatteaa gtteteggtt taettattat 360
442 aatttccacc aaaaagcgca agagaataac cgcaaacaag atgaagaaag ggcagcccaa 420
444 cgtgaacgát taaaaaagga getetteeag aggeaacaag eggaagaage acaacgaaag 480
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456 aatttgtgga ataaaccaaa tcatccagat acaaatcata aaaccaaaaa atatactgag 840
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466 gggttagatt ccccagtgcg ggcacaacca gaaatatctg gaaaatccaa gtctccgata 1140
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470 caggacaata gtacatatat tcctcagggg tctttaggac acgaatttag aaatattttg 1260
472 gaagagcate caegteaagt aaagaataaa caaaattetg gtgttgettt tgcattteeg 1320
474 aatgetteea agaataeega aaacaaacte cactetaatt teaaagataa agatgaagga 1380
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RAW SEQUENCE LISTING DATE: 03/02/2001 PATENT APPLICATION: US/09/763,011 TIME: 12:57:28

Input Set : A:\CANDIDA.txt

Output Set: N:\CRF3\03022001\1763011.raw

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				NCE:													
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	Ser	Thr	Leu	Asp	Glu	Ile	Arg	Arg		Tyr	Arg	Lys	Leu		Leu	Arg	
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568		130					135					140					
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574						150					155					160	
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580					165					170					175		
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586				180					1.85					190		_	
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592			195					200					205				
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598		210					215					220					
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<211> 302

<212> PRT

<213> Candida albicans

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Gly Asn Pro Val Ala Val Ile Tyr Asp Ser Asp Asn Leu Thr Thr Gln

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25

30

Glu Met Gln Lys Ile Ala Arg Trp Thr Asn Leu Ser Glu Thr Thr Phe

35

40

45

Ile Leu Thr Pro Lys Ser Ser Ile Ala Xaa Tyr Ser Ile Arg Ile Phe

50

55

60

Thr Ser Gly Gly Asn Glu Leu Pro Phe Ala Gly His Pro Thr Leu Gly

65

70

75

80

Jee stem 10 on Evan Summary Sheet

Thr Ala Phe Ala Leu Leu Glu Asp Gly Lys Ile Lys Pro Asn Asp Asn

85

90

95

Gly Gln Ile Ile Gln Glu Cys Gly Ala Gly Leu Val Lys Ile Ser Val

100

105

110

Glu Lys Thr Pro Asn Asn Asn Ser Asn Glu Leu Pro Phe Leu Leu Ser

115

120

125

Phe Glu Leu Pro Tyr Phe Lys Phe His Glu Ile Asp Asp Lys Val Ile
130 135 140

Glu Glu Leu Gln His Ser Trp Asn Gly Thr Asn Ile Ile Gly Lys Pro

145 150 155 160

Val Leu Ile Asp Ala Gly Pro Lys Trp Ala Val Phe Gln Leu Gly Ser

165 170 175

Gly Lys Glu Val Leu Asp Leu Asn Xaa Asp Leu Ala Gln Ile Glu Arg

Leu Ser Leu Glu Asn Gly Trp Thr Gly Ile Gly Val Phe Gly Lys His

195 200 205

Asn Glu Asn Gly Asp Ser Val Glu Leu Arg Asn Ile Ala Pro Ala Val 210 215 220

Gly Val Ala Glu Asp Pro Ala Cys Gly Ser Gly Ser Gly Ala Ile Gly
225 230 235 240

Ala Tyr Leu Ala Asn His Val Phe Asn Glu Lys Glu Lys Phe Thr Ile

245 250 255

Asp Ile Ser Gln Gly Lys Pro Ile Glu Arg Asp Ala Lys Ile Gln Val 260 265 270

FYI

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

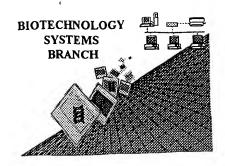
VERIFICATION SUMMARY DATE: 03/02/2001 PATENT APPLICATION: US/09/763,011 TIME: 12:57:29

Input Set : A:\CANDIDA.txt

Output Set: N:\CRF3\03022001\I763011.raw

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L:19 M:270 C: Current Application Number differs, Replaced Application Number
L:21 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:1060 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:13
L:1060~\text{M}:258~\text{W}: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:1060 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
L:1060 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:13 L:1108 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:13
L:1108 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:13
L:1108 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:13
L:1108 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:13
M:340 Repeated in SeqNo=13
L:5730 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:57
L:5730 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:57
L:5730 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:57
L:5730 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:57
L:5730 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:57
\text{L:}6618\ \text{M:}258\ \text{W:} Mandatory Feature missing, <220> not found for SEQ ID#:58
L:6618 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:58 L:6618 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:58 L:6618 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:58
L:6618 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:58
L:13306 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:114
L:13306\ M:258\ W: Mandatory Feature missing, <221> not found for SEQ ID#:114
L:13306~\text{M}:258~\text{W}: Mandatory Feature missing, <222> not found for SEQ ID#:114
L:13306 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:114
L:13306 M:340 W: (46) "n" or "Xaa" used: Feature required, for SEQ ID#:114
L:13324 M:258 W: Mandatory Feature missing, <220> not found for SEQ ID#:114
L:13324 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:114
L:13324 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:114
L:13324 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:114
M:340 Repeated in SeqNo=114
```

RAW SEQUENCE LISTING ERROR REPORT



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/763,0//
Source:	PCT 09
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THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

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FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 c-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 c-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER</u> <u>VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address: http://www.uspto.gov/web/offices/pac/checker